

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously presented) An active matrix substrate comprising:

switching elements disposed in a shape of a matrix;

gate signal lines controlling the switching elements;

source signal lines connected to the switching elements and formed orthogonal to the gate signal lines;

an interlayer insulating film formed on the switching elements, the gate signal lines, and the source signal lines; and

pixel electrodes formed over at least the interlayer insulating film and in electrical communication with respective switching elements through contact holes defined in the interlayer insulating film,

wherein the pixel electrodes are comprised of a photosensitive conductive material including at least one coloring agent so that at least some of the pixel electrodes function as both pixel electrodes and color filters.
2. (Original) The active matrix substrate as defined in claim 1, wherein the photosensitive conductive material is transparent.

3. (Original) The active matrix substrate as defined in claim 1, wherein the photosensitive conductive material has negative type photosensitivity.

4. (Original) The active matrix substrate as defined in claim 1, wherein the photosensitive conductive material is made from photosensitive resin and conductive particles dispersed in the photosensitive resin.

5. (Original) The active matrix substrate as defined in claim 4, wherein the conductive particles are either indium tin oxide, antimony tin oxide, or zinc oxide.

6. (Canceled)

7. (Original) A flat panel display device having the active matrix substrate as defined in claim 1.

8. (Original) A flat panel image sensing device having the active matrix substrate as defined in claim 1.

9. (Previously presented) A liquid crystal display comprising:
a substrate supporting a plurality of address lines in communication with a switching element;

a pixel electrode in electrical communication with the switching element, wherein the pixel electrode is for applying voltage across a liquid crystal layer; and

wherein the pixel electrode comprises a photosensitive conductive material and at least one coloring agent so that the pixel electrode functions as both a pixel electrode and a color filter, and wherein the pixel electrode is photo-patternable due to its photosensitive nature.

10. (Previously presented) The liquid crystal display of claim 9, wherein the photosensitive conductive material of the pixel electrode has negative type photosensitivity.

11-18. (Canceled)